

IN THE CLAIMS:

Please amend claims 1, 9, and 11-13, and add new claims 17-21, as follows.

1. (Currently Amended) A method for providing persistency fault tolerant data stored in a database on a device in a networked environment for an external application, the device having an active processor system and a standby processor system, the method comprising the following steps:

maintaining a checksum for each record in an active database located in the active processor system;

checking the checksum during initialization;

providing an identical standby copy of an active database located on the active processor system, on the standby processor system;

monitoring the active processor for a failure; and

assuming control by the standby processor system assumes control when the failure is detected,

wherein switching from the active database to the standby database is transparent to the external application.

2. (Original) The method as recited in claim 1 further comprising the step of keeping a compressed backup copy of the database with signature on the active processor system and on the standby processor system.

3. (Original) The method as recited in claim 2 further comprising the step of recovering data from the compressed backup copy when a failure event occurs.

4. (Original) The method as recited in claim 2 further comprising the step of recovering data from the compressed backup copy when a corruption event occurs.

5. (Original) The method as recited in claim 1 further comprising the step of defining the database using a predetermined format.

6. (Original) The method as recited in claim 5 further comprising the step of generating structure and metadata corresponding to the database using the definition in the predetermined format.

7. (Original) The method as recited in claim 1 further comprising the step of accessing the active database through an application program interface.

8. (Original) The method as recited in claim 5 wherein the predetermined format is Structure of Management Information version 2 (SMIv2) format.

9. (Currently Amended) A system for providing persistency fault tolerant data stored in a database on a device in a networked environment for an external application,

the device having an active processor system and a standby processor system, the system comprising:

checksum means for maintaining a checksum for each record in an active database located in the active processor system and checking the checksum during initialization;

standby means for providing an identical standby copy of an active database located on the active processor system, on the standby processor system;

monitor means for monitoring the active processor for a failure; and

control means for assuming control by the standby processor system assumes control when the failure is detected wherein switching from the active database to the standby database is transparent to an external application.

10. (Original) The system as recited in claim 9 further comprising backup means for keeping a compressed backup copy of the database with signature on the active processor system and on the standby processor system.

11. (Currently Amended) The system as recited in claim 10 further comprising means for recovering data from the compressed backup copy when a failure event occurs.

12. (Currently Amended) The system as recited in claim 10 further comprising means for recovering data from the compressed backup copy when a corruption event occurs.

13. (Currently Amended) The system as recited in claim 9 further comprising means for defining the database using a predetermined format.

14. (Original) The system as recited in claim 13 further comprising means for generating structure and metadata corresponding to the database using the definition in the predetermined format.

15. (Original) The system as recited in claim 9 further comprising means for accessing the active database through an application program interface.

16. (Original) The system as recited in claim 13 wherein the predetermined format is Structure of Management Information version 2 (SMIv2) format.

17. (New) A device providing persistency fault tolerant data stored in a database and having an active processor system and a standby processor system, the device comprising:

a checksum unit maintaining a checksum for each record in an active database located in the active processor system and checking the checksum during initialization;

a standby unit providing an identical standby copy of an active database located on the active processor system, on the standby processor system;

a monitor unit monitoring the active processor for a failure; and

a control unit assuming control by the standby processor system assumes control when the failure is detected wherein switching from the active database to the standby database is transparent to an external application.

18. (New) The device as recited in claim 17, further comprising:
a backup unit keeping a compressed backup copy of the database with signature on the active processor system and on the standby processor system.

19. (New) The device as recited in claim 18, further comprising:
a recovering unit recovering data from the compressed backup copy when a failure event or a corruption event occurs.

20. (New) The device as recited in claim 17, further comprising:
a defining unit defining the database using a predetermined format.

21. (New) The device as recited in claim 20, further comprising:
a generating unit generating structure and metadata corresponding to the database using the definition in the predetermined format.